

Identities = 142/305 (46%), Positives = 194/305 (63%)

CON167:	6	NQSYTDGFFLLGIFSHSQTDLVLFSAVMVFTVALCGNVLLIFLIYLDAGLHTPMYFFLS	65
FAT11 :		NQS T GE LLG H LF V+ + + L GN L+I L LD LH+PMYFFLS	
	3	NQSTPGFLLLGFEHPGLGRITLFVDVITSYLLTLVGNTLIILLSALDTKLHSPMYFFLS	62
CON167:	66	QLSLMDLMLVCNIVPKMAANFLSGRKSISFVGCGIQIGFFVSLVGSEGLLLGLMAYDHYV	125
FAT11 :		LS +DL + VP+M AN +K+ISF+ C +QI F+SL +E +L+ +MA+D YV	
	63	NLSFLDLCTTSCVPQM LANLWGP KKTISFLDCSVQIFIFLSLGTTECILMKVMAFDYV	122
CON167:	126	AVSHPLHYPIILMNQVRVCLQITGSSWAFGLIDGVIQMVAAAMGLPYCGSRSDHFFCEVQAL	185
FAT11 :		AV PLHY +++ R+C Q+ +W G++ V+Q + + LP+C R VD F CEV AL	
	123	AVCQPLHYATIIHPRLCWLQASVAWVIGLVGVVQTPSTLHLPFCPDRQVDDFVCEVPAL	182
CON167:	186	LKLACADTSLFDTLLEFACCVFMLLLPFSIIMASYACILGAVLRIRSAQAWKKALATCSSH	245
FAT11 :		++L+C DTS + + VF+L++P S+I+ SY I AVLRI SA AW+KA TCSSH	
	183	IRLSCEDTSYNEIQAVASVFILVPLSLILVSYGAITWAVLRINSATAWRKAFGTCSH	242
CON167:	246	LTAVTLFYGAAMFMYLRPRRYRAPSHDKVASIFYTTLTPMLNPLIYSLRNGEVMGALRKG	305
FAT11 :		LT VTLEFY + + +YL+P+ A K +FY V TP LNPL+Y+LRN E+ ALR+	
	243	LTVVTLFYSSVIAVYLQPKNPYAQGRGKFFGLFYAVGTSPSLNPLVYTLRNKEIKRALRRL	302
CON167:	306	LDRCR	310
FAT11 :		L + R	
	303	LGKER	307

FIG. 1

CON167: 65 SQLSLMDLMLVCNIVPKMAANFLSGRKSISFVGCQIQIGFFVSLVGSEGLLLGLMAYDHY 124  
 SQLSLMDLMLVCNIVPKMA NFLSGRKSISF GCGIQIGFFVSLVGSEGLLLGLMAYD Y  
 mur G7: 1 SQLSLMDLMLVCNIVPKMAVNFLSGRKSISFAGCGIQIGFFVSLVGSEGLLLGLMAYDRY 60

CON167: 125 VAVSHPLHYPILMNQVRVCLQITGSSWAFGIIDGVIQMVAAMGLPYCGSRSDHFFCEVQA 184  
 VA+SHPLHYPILM+Q+VCLQI GSSWAFGI+DG+IQMVAAM LPYCGSR +DHFFCEV A  
 mur G7: 61 VAISHPLHYPILMSQKVCLQIAGSSWAFGILDGIIQMVAAMSLPYCGSRYIDHFFCEVPA 120

CON167: 185 LLKLACADTSLFDTLLEFACCVFMLLLPFSIIMASYACILGAVLRIRSAQAWKKALATCSS 244  
 LLKLACADTSLFDTLLEFACCVFMLLLPFSII+ SYA ILGAVLR+ SAQ+ KKALATCSS  
 mur G7: 121 LLKLACADTSLFDTLLEFACCVFMLLLPFSIIVTSYARILGAVLRMHSAQSRKKALATCSS 180

CON167: 245 HLTAVTLFYGAAMFYLRPRRYRAPSHDKVASIFYTVLTPMLN 287  
 HLTAV+LFYGAAMF+YLRPRRYRAPSHDKV SIFYTVLTPMLN  
 mur G7: 181 HLTAVSLFYGAAMFIYLRPRRYRAPSHDKVVSIFYTVLTPMLN 223

FIG. 2